

ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch
Water Division (WC-15J)
United States Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

RECEIVED

APR 24 2019

WATER ENFORCEMENT & COMPLIANCE
ASSURANCE BRANCH, EPA, REGION 5

April 16, 2019
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1
Dewatering Well System, 1st Quarter 2019
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for January, February, and March, 2019 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that with the exception of Well #9 which has had several issues and has been out of service off and on throughout the quarter, "all of the wells, pumps, and pipes in the Dewatering Well System are functioning" as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan had been extremely low. Recently, the lake has begun to rise. The average level for the quarter was 581.1 feet with a low of 580.8 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells continue to operate properly but several are at depths near their screens and cannot be adjusted lower. Some have

ArcelorMittal Burns Harbor, LLC. T +1 219 787 2712
Environmental Mgmt. Dept. F +1 219 787 4973
250 W. U.S. Highway 12 www.arcelormittal.com
Burns Harbor, IN 46304
USA



valves that have been adjusted wide open. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, several of the piezometers were consistently above the level specified. Several of the piezometers are now sporadically operating at the levels required by the Decree. However, there is a limit to the level that the wells can operate at without damaging the screens or the pumps, and for many of the wells, we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

A handwritten signature in black ink, appearing to read "R.A. Maciel".

R.A. Maciel
Environmental Management Department

Attachments

cc: S. Choi, USEPA

April 16, 2019
Ref: PJ/RA/DW

Attachment 1
ArcelorMittal Burns Harbor, LLC
Nitrogen Ammonia Analytical Report
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
1/9/2019	8.2
2/6/2019	6.4
3/11/2019	7.7

Attachment 2
ArcelorMittal Burns Harbor LLC
Dewatering Well Flow

<u>Date</u>	<u>Flow TGD</u>	<u>Date</u>	<u>Flow TGD</u>	<u>Date</u>	<u>Flow TGD</u>
01-Jan-19	371	01-Feb-19	368	01-Mar-19	350
02-Jan-19	376	02-Feb-19	365	02-Mar-19	357
03-Jan-19	369	03-Feb-19	294	03-Mar-19	350
04-Jan-19	367	04-Feb-19	373	04-Mar-19	333
05-Jan-19	368	05-Feb-19	369	05-Mar-19	326
06-Jan-19	366	06-Feb-19	262	06-Mar-19	336
07-Jan-19	364	07-Feb-19	350	07-Mar-19	338
08-Jan-19	366	08-Feb-19	368	08-Mar-19	306
09-Jan-19	364	09-Feb-19	361	09-Mar-19	304
10-Jan-19	366	10-Feb-19	356	10-Mar-19	294
11-Jan-19	357	11-Feb-19	355	11-Mar-19	295
12-Jan-19	357	12-Feb-19	353	12-Mar-19	294
13-Jan-19	354	13-Feb-19	364	13-Mar-19	292
14-Jan-19	355	14-Feb-19	385	14-Mar-19	323
15-Jan-19	361	15-Feb-19	385	15-Mar-19	356
16-Jan-19	355	16-Feb-19	359	16-Mar-19	362
17-Jan-19	374	17-Feb-19	351	17-Mar-19	359
18-Jan-19	357	18-Feb-19	347	18-Mar-19	358
19-Jan-19	348	19-Feb-19	347	19-Mar-19	357
20-Jan-19	345	20-Feb-19	350	20-Mar-19	354
21-Jan-19	345	21-Feb-19	373	21-Mar-19	361
22-Jan-19	343	22-Feb-19	350	22-Mar-19	360
23-Jan-19	*	23-Feb-19	346	23-Mar-19	362
24-Jan-19	360	24-Feb-19	348	24-Mar-19	359
25-Jan-19	374	25-Feb-19	347	25-Mar-19	359
26-Jan-19	372	26-Feb-19	339	26-Mar-19	359
27-Jan-19	367	27-Feb-19	335	27-Mar-19	356
28-Jan-19	365	28-Feb-19	345	28-Mar-19	361
29-Jan-19	366			29-Mar-19	363
30-Jan-19	387			30-Mar-19	358
31-Jan-19	390			31-Mar-19	363

TDG - Thousand gallons per day

* No flow data available



Consent Decree – Case No. 2:96-CV-96-RL-1
Dewatering Well System Monitoring, 1st Quarter 2019
ArcelorMittal Burns Harbor, LLC

Attachment 3 – Dewatering Well Status Reports



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

P. Kostro
Weaver Consultants Group, LLC

Date	1/3/2019	Time:	9:15 AM	Barometric Pressure: 30.09 (in Hg)				Temperature (F): 28			
Staff Gauge (002) Elevation:	580.80 (Ft, MSL)	Weather Conditions: Sunny				Wind Direction: N @ 11 MPH					
Well Piezo TOC No.	Well/Piezo Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Pres. (PSI)	Gauge Pres. (PSI)
DW-1	596.32	24.0	23.95	572.37	48		41.962		DW-10	596.47	24.0
P-511	592.29	F	#VALUE!	X	#VALUE!			P-520	595.93	11.72	584.21
DW-2	595.91	24.0	23.82	572.09	40		4.696	DW-11	595.82	25.7	568.47
P-512	593.16	X	#VALUE!		25.0	568.21		P-521	596.19	11.94	584.25
DW-3	596.13	22.0	21.34	574.79	40		607.494	DW-12	595.28	26.5	26.11
P-513	592.81	7.74	585.07	21.2	571.65			P-522	595.17	9.89	585.28
DW-4	596.28	23.0	22.34	573.94	44		108.484	DW-13	594.83	27.0	26.82
P-514	592.80	8.44	584.36	25.1	567.75			P-523	592.04	D	#VALUE!
DW-5	596.16	21.0	19.52	576.64	43		9.143	DW-14	594.83	26.5	26.22
P-515	592.65	8.68	583.97	22.2	570.46			P-507	591.38	D	#VALUE!
DW-6	596.46	24.0	23.22	573.24	72		10.160	DW-15	594.62	29.5	26.52
P-516	596.30	12.31	583.99	31.2	565.08			P-524	591.55	4.45	587.10
DW-7	596.39	25.0	24.06	572.33	41		137.414	P-508	591.37	D	#VALUE!
P-517	596.55	12.34	584.21	29.7	566.88			DW-16	594.81	36.0	35.02
DW-8	596.21	24.5	23.54	572.67	34		127.607				34.92
P-518	596.17	11.54	584.63	30.5	565.66						556.63
DW-9	596.16	24.5	11.41	584.75	0		28.981				44.954
P-519	596.56		11.96	584.60		31.3	565.31				

Remarks DW-1, DW-2, DW-7, DW-8, DW-10, DW-12, DW-14 and DW-16 were adjusted down due to high initial water levels.

DW-4 and DW-5 were adjusted up due to low initial water levels.

DW-9 pump is removed and the well is offline.

DW-11 discharge valve is stuck and will not move in either direction.

DW-15 discharge valve is wide open (left) and the water level could not be adjusted lower.

Key:
TOC=Top of Casing, north side
DTW=Depth to Water
DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
7121 Grape Road
Granger, IN 46530

(574) 271-3447 Tel.
(574) 271-3343 Fax.
estefanek@wcgrp.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by: P. Kostro
Weaver Consultants Group, LLC

Key:

TOC=Top of Casing, north side	DW-2, DW-4, DW-5, DW-6, DW-7, DW-10, DW-12, DW-14 and DW-16 were adjusted down due to high initial water levels.
DW-9 discharge valve will lower the water level although the valve will move in both directions.	
DW-10 was offline upon arrival and successfully restarted. The pressure gauge reads "0".	
DW-11 discharge valve is stuck and will not move in either direction.	
DW-15 discharge valve is wide open (left) and the water level could not be adjusted lower.	
DTW=Depth to Water	(574) 271-3447 Tel.
DTB=Depth to Bottom	(574) 271-3343 Fax.
P-519	estefanek@wcgrp.com

Date	1/10/2019	Time:	10:00 AM	Barometric Pressure: <u>30.43</u> (in Hg)				Temperature (F): <u>24</u>			
Staff Gauge (002) Elevation:	581.10	(Ft., MSL)		Weather Conditions: Cloudy				Wind Direction: WNW @ 9 MPH			
Well/Piezoelectric No.	TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Elev.	Gauge Pres. (PSI)	DTB (feet)	Piezoelectric Bottom Elevation	Well/Piezoelectric TOC (feet)	Depth to T/Screen (feet)	DTW (TOC) (feet)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.01	573.31	48		42.551	DW-10	596.47	24.0	23.04
P-511	592.29	F	#VALUE!	X	#VALUE!			P-520	595.93	11.81	584.12
DW-2	595.91	24.0	23.01	572.90	44	4,774		DW-11	595.82	25.7	27.02
P-512	593.16	X	#VALUE!		25.0	568.21		P-521	596.19	12.14	584.05
DW-3	596.13	22.0	21.26	574.87	42		610.908	DW-12	595.28	26.5	25.67
P-513	592.81	X	#VALUE!		21.2	571.65		P-522	595.17	10.09	585.08
DW-4	596.28	23.0	22.95	573.33	46		110.574	DW-13	594.83	27.0	26.86
P-514	592.80	X	#VALUE!		25.1	567.75		P-523	592.04	D	#VALUE!
DW-5	596.16	21.0	19.81	576.35	58		10.765	DW-14	594.83	26.5	26.15
P-515	592.65	X	#VALUE!		22.2	570.46		P-507	591.38	D	#VALUE!
DW-6	596.46	24.0	23.88	572.58	72		12.531	DW-15	594.62	29.5	25.47
P-516	596.30	12.46	583.84		31.2	565.08		P-524	591.55	4.81	586.74
DW-7	596.39	25.0	24.02	572.37	50			P-508	591.37	D	#VALUE!
P-517	596.55	12.68	583.87		29.7	566.88		DW-16	594.81	36.0	35.92
DW-8	596.21	24.5	23.62	572.59	33						
P-518	596.17		11.99	584.18		30.5	565.66				
DW-9	596.16	24.5	13.43	582.73	46						
P-519	596.56		11.96	584.60		31.3	565.31				



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

P. Kostro
Weaver Consultants Group, LLC

Date	1/17/2019	Time:	10:00 AM	Barometric Pressure: <u>30.11</u> (in Hg)				Temperature (F): <u>31</u>			
Staff Gauge (002) Elevation:	580.90	(Ft., MSL)	Weather Conditions: Cloudy	Wind Direction: _____				E @ 4 MPH			
Well Piezo TOC T/Screen (feet)	Depth to Water (feet)	DTW (TOC) Piezo (feet)	Gauge Pres. (PSI) Water Elev. (feet)	DTB Piezo (feet)	Piezometer Bottom Elevation (100 gal)	Flow Reading	Well/Piezometer No.	Depth to TOC (feet)	DTV (TOC) Piezo (feet)	Gauge Pres. (PSI) Water Elev. (feet)	Flow Reading (100 gal)
DW-1 596.32	24.0	23.56	572.76	48	43.914		DW-10 596.47	24.0	23.99	572.48	45
P-511 592.29	F	#VALUE!	X	#VALUE!			P-520 595.93	11.96	583.97	30.33	565.60
DW-2 595.91	24.0	23.05	572.86	44	4.796		DW-11 595.82	25.7	27.34	568.48	28
P-512 593.16	X	#VALUE!	25.0	568.21			P-521 596.19	12.29	583.90	33.45	562.74
DW-3 596.13	22.0	21.26	574.87	42	614.289		DW-12 595.28	26.5	25.61	569.67	35
P-513 592.81	X	#VALUE!	21.2	571.65			P-522 595.17	10.25	584.92	32.9	562.24
DW-4 596.28	23.0	22.12	574.16	46			DW-13 594.83	27.0	26.58	568.25	21
P-514 592.80	8.03	584.77	25.1	567.75			P-523 592.04	D	#VALUE!	D	#VALUE!
DW-5 596.16	21.0	19.52	576.64	51	11.180		DW-14 594.83	26.5	26.45	568.38	45
P-515 592.65	8.34	584.31	22.2	570.46			P-507 591.38	D	#VALUE!	D	#VALUE!
DW-6 596.46	24.0	23.91	572.55	72	15.119		DW-15 594.62	29.5	29.48	565.14	32
P-516 596.30	12.58	583.72	31.2	565.08			P-524 591.55	4.63	586.92	34.92	556.63
DW-7 596.39	25.0	24.89	571.50	38	143.742		P-508 591.37	D	#VALUE!	D	#VALUE!
P-517 596.55	12.84	583.71	29.7	566.88			DW-16 594.81	36.0	35.91	558.90	29
DW-8 596.21	24.5	24.49	571.72	32	135.478						
P-518 596.17	12.29	583.88	30.5	565.66							
DW-9 596.16	24.5	15.54	580.62	45	30.567						
P-519 596.56		11.96	584.60	31.3	565.31						

Remarks DW-1, DW-6, DW-7, DW-8, DW-10, DW-12, DW-14, DW-15 and DW-16 were adjusted up due to low initial water levels.

DW-2, DW-4 and DW-5 were adjusted down due to high initial water levels.

DW-2 was offline upon arrival and successfully restarted.

DW-9 discharge valve will not lower the water level although the valve will move in both directions.

DW-11 discharge valve is stuck and will not move in either direction.

Key: TOC=Top of Casing, north side
DTW=Depth to Water
DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
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Granger, IN 46530

(574) 271-3447 Tel.
(574) 271-3343 Fax
estefanek@wcgrp.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by: P. Kostro, J. Slough
Weaver Consultants Group, LLC

Date 1/24/2019
 Staff Gauge (002) Elevation: 580.80 (Ft., MSL)

Time: 9:00 AM
 Barometric Pressure: 29.92 (in Hg)
 Weather Conditions: Sunny
 Temperature (F): 10
 Wind Direction: SW @ 8 MPH

Well Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Flow Reading (100 gal)	Well/Piezoelectric No.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Elev. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.95	572.37	45	44.849			DW-10	596.47	24.0	23.01	573.46	50		202.403
P-511	592.29	F	#VALUE!	X	X	#VALUE!			P-520	595.93	11.76	584.17		30.33	565.60	
DW-2	595.91	24.0	23.61	572.30	40		5,461		DW-11	595.82	25.7	27.33	568.49	32		314.236
P-512	593.16		X	#VALUE!		25.0	568.21		P-521	596.19	11.97	584.22		33.45	562.74	
DW-3	596.13	22.0	21.31	574.82	42		617.478		DW-12	595.28	26.5	25.72	569.56	37		100.812
P-513	592.81		X	#VALUE!		21.2	571.65		P-522	595.17	9.85	585.32		32.9	562.24	
DW-4	596.28	23.0	22.78	573.50	54		113.823		DW-13	594.83	27.0	26.92	567.91	24		49.013
P-514	592.80		8.26	584.54		25.1	567.75		P-523	592.04	D	#VALUE!	D	#VALUE!		
DW-5	596.16	21.0	19.98	576.18	0		12.708		DW-14	594.83	26.5	25.51	569.32	45		181.080
P-515	592.65		X	#VALUE!		22.2	570.46		P-507	591.38	D	#VALUE!	D	#VALUE!		
DW-6	596.46	24.0	23.29	573.17	72		17.137		DW-15	594.62	29.5	27.29	567.33	34		115.510
P-516	596.30		12.29	584.01		31.2	565.08		P-524	591.55	4.42	587.13		34.92	556.63	
DW-7	596.39	25.0	24.16	572.23	44		146.699		P-508	591.37	D	#VALUE!	D	#VALUE!		
P-517	596.55		12.51	584.04		29.7	566.88		DW-16	594.81	36.0	35.97	558.84	35		46.530
DW-8	596.21	24.5	24.23	571.98	36		138.547									
P-518	596.17		11.96	584.21			30.5	565.66								
DW-9	596.16	24.5	14.02	582.14	52			31.395								
P-519	596.56		11.96	584.60			31.3	565.31								

Remarks DW-1, DW-4, DW-5, DW-6, DW-7, DW-8, DW-10, DW-12 and DW-16 were adjusted down due to high initial water levels.

DW-5 pressure gauge read "0".

DW-9 discharge valve will not lower the water level although the valve will move in both directions.

DW-11 discharge valve is stuck and will not move in either direction.

DW-15 discharge valve is wide open (left) and will not lower the water level.

Key:
 TOC=Top of Casing, north side
 DTW=Depth to Water
 DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
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 Granger, IN 46530

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STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by:

J. Slough
Weaver Consultants Group, LLC

Date 2/1/2019
 Staff Gauge (002) Elevation: 580.90 (Ft. MSL)

Time: 10:15 AM

Barometric Pressure: 30.35 (in Hg)
 Weather Conditions: Clear

Temperature (F): 9
 Wind Direction: ESE @ 8 MPH

Well/Piezoelectric No.	TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation	Flow Reading (100 gal)	Well/Piezoelectric No.	TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Pres. (PSI)	Gauge Elev.	DTB Piezo (feet)	Piezoelectric Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.92	572.40	40		46.136		DW-10	596.47	24.0	23.09	573.38	0			207.089
P-511	592.29		F	#VALUE!		X	#VALUE!		P-520	596.93		12.03	583.90			30.33	565.60
DW-2	595.91	24.0	23.11	572.80	39		6.139		DW-11	595.82	25.7	27.35	568.47	30			319.372
P-512	593.16		X	#VALUE!		25.0	568.21		P-521	596.19		12.26	583.93			33.45	562.74
DW-3	596.13	22.0	21.31	574.82	40		621.090		DW-12	595.28	26.5	25.78	569.50	36			104.339
P-513	592.81		X	#VALUE!		21.2	571.65		P-522	596.17		10.24	584.93			32.9	562.24
DW-4	596.28	23.0	22.85	573.43	44		116.602		DW-13	594.83	27.0	26.89	567.94	34			49.798
P-514	592.80		X	#VALUE!		25.1	567.75		P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-5	596.16	21.0	19.61	576.55	0		14.815		DW-14	594.83	26.5	25.61	569.22	52			182.613
P-515	592.65		X	#VALUE!		22.2	570.46		P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-6	596.46	24.0	23.62	572.84	72		19.920		DW-15	594.62	29.5	28.02	566.60	30			116.754
P-516	596.30		12.86	583.44		31.2	565.08		P-524	591.55		4.78	586.77				
DW-7	596.39	25.0	24.91	571.48	41		156.368		P-508	591.37		D	#VALUE!		D	#VALUE!	
P-517	596.55		13.02	583.53		29.7	566.88		DW-16	594.81	36.0	35.15	559.66	32			47.096
DW-8	596.21	24.5	23.98	572.23	39												
P-518	596.17		12.39	583.78		30.5	565.66										
DW-9	596.16	24.5	14.41	581.75	49												
P-519	596.56		11.96	584.60		31.3	565.31										

Remarks DW-2, DW-7, DW-12 and DW-16 were adjusted down due to high initial water levels.

DW-1, DW-4, and DW-8 were adjusted up due to low initial water levels.

DW-9 discharge valve will not lower the water level although the valve will move in both directions.

DW-11 discharge valve is stuck and will not move in either direction. DW-5 & DW-10 pressure gauge read "0".

DW-15 discharge valve is wide open (left) and will not lower the water level.

TOC=Top of Casing, north side

Key: DTW=Depth to Water

DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
 7121 Grape Road
 Granger, IN 46530

(574) 271-3447 Tel.
 (574) 271-3343 Fax.
estefanek@wcgrp.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by:
P. Kostro
Weaver Consultants Group, LLC

Date	<u>2/7/2019</u>	Time:	<u>9:45 AM</u>	Barometric Pressure: <u>29.72</u> (in Hg)			Temperature (F): <u>42</u>
Sta# Gauge (002) Elevation:	<u>581.10</u> (Ft. MSL)	Weather Conditions:	<u>Light Rain</u>	Wind Direction: <u>SE @ 9 MPH</u>			

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to TScreen (feet)	DTW (TOC) (feet)	Piezoelectric Bottom Elevation	Flow Reading (100 gal)	Well/Piezoelectric No.	Depth to TScreen (feet)	DTW (TOC) (feet)	Well/Water Pres. (PSI)	Gauge Elevation	DTB (feet)	Piezoelectric Bottom Elevation (feet)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.81	572.51	49	46.699		24.0	596.47	24.0	23.52	572.95	45
P-511	592.29		F	#VALUE!	X		P-520	595.93		11.36	584.57		30.33
DW-2	595.91	24.0	23.24	572.67	37	6.524	DW-11	595.82	25.7	27.33	568.49	25	322.416
P-512	593.16		X	#VALUE!		25.0	P-521	596.19		11.65	584.54		33.45
DW-3	596.13	22.0	21.32	574.81	38	623.289	DW-12	595.28	26.5	28.50	566.78	34	106.467
P-513	592.81		X	#VALUE!		21.2	P-522	595.17		9.64	585.53		32.9
DW-4	596.28	23.0	22.05	574.23	47	117.590	DW-13	594.83	27.0	26.89	567.94	20	50.225
P-514	592.80		X	#VALUE!		25.1	P-523	592.04		D	#VALUE!		D
DW-5	596.16	21.0	19.82	576.34	42	16.272	DW-14	594.83	26.5	25.91	568.92	43	183.538
P-515	592.85		X	#VALUE!		22.2	P-507	591.38		D	#VALUE!		D
DW-6	596.46	24.0	23.77	572.69	72	21.508	DW-15	594.62	29.5	29.28	565.34	25	117.517
P-516	596.30		12.64	583.66		31.2	P-524	591.55		4.21	587.34		34.92
DW-7	596.39	25.0	24.03	572.36	34	152.578	P-508	591.37		D	#VALUE!		D
P-517	596.55		12.18	584.37		29.7	DW-16	594.81	36.0	37.31	557.50	28	47.432
DW-8	596.21	24.5	23.72	572.49	31	146.300							
P-518	596.17		11.53	584.64		30.5							
DW-9	596.16	24.5	13.82	582.34	41	32.836							
P-519	596.56		11.96	584.60		31.3							

Remarks	DW-1, DW-4 and DW-12 were adjusted down due to high initial water levels.
	DW-2, DW-5, DW-6, DW-7, DW-8, DW-9 and DW-15 were adjusted up due to low initial water levels.
	DW-9 discharge valve will not lower the water level although the valve will move in both directions.
	DW-11 discharge valve is stuck and will not move in either direction. DW-12 was unable to achieve water level due to equipment failure. (IP tape trapped on pump.)
	DW-16 discharge valve was closed (right) and would not raise water level to desired level.

Key:
 TOC=Top of Casing, north side
 DTW=Depth to Water
 DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
 7121 Grape Road
 Granger, IN 46530

(574) 271-3447 Tel.
 (574) 271-3343 Fax.
estefanek@wcqdip.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by: P. Kostro
Weaver Consultants Group, LLC

Date	2/14/2019	Time:	8:30 AM	Barometric Pressure: <u>29.72</u> (in Hg)				Temperature (F): <u>40</u>							
Staff Gauge (002) Elevation:	580.80	(Ft., MSL)	Weather Conditions: Cloudy												
Well/Piezometer No.	TOC	Depth to T/Screen (feet)	DTW (TOC)	Well/Piezometer Water Elev. (feet)	Gauge Pres. (PSI)	DTB Piezo Bottom Elevation	Flow Reading (100 gal)	Well/Piezometer No.	TOC Elev.	Depth to T/Screen (feet)	DTW (TOC)	Well/Piezometer Water Pres. (PSI)	Gauge Elevation (feet)	DTB Piezo Bottom Elevation (feet)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.98	572.34	48	47.441		DW-10	596.47	24.0	23.81	572.66	44		214.061
P-511	592.29	F	#VALUE!	X	#VALUE!			P-520	595.93	11.39	584.54		30.33	565.60	
DW-2	595.91	24.0	23.93	571.98	40	6.921		DW-11	595.82	25.7	27.33	568.49	25		327.206
P-512	593.16	X	#VALUE!	25.0	568.21			P-521	596.19	11.51	584.68		33.45	562.74	
DW-3	596.13	22.0	21.34	574.79	35	626.737		DW-12	595.28	26.5	26.34	568.94	33		109.459
P-513	592.81	X	#VALUE!	21.2	571.65			P-522	595.17	9.43	585.74		32.9	562.24	
DW-4	596.28	23.0	22.42	573.86	38	120.702		DW-13	594.83	27.0	26.89	567.94	19		51.028
P-514	592.80	X	#VALUE!	25.1	567.75			P-523	592.04	D	#VALUE!	D	#VALUE!	D	#VALUE!
DW-5	596.16	21.0	19.75	576.41	37	17.425		DW-14	594.83	26.5	26.43	568.40	45		184.915
P-515	592.65	X	#VALUE!	22.2	570.46			P-507	591.38	D	#VALUE!	D	#VALUE!	D	#VALUE!
DW-6	596.46	24.0	23.02	573.44	72	23.991		DW-15	594.62	29.5	30.75	563.87	25		118.736
P-516	596.30	12.24	584.06	31.2	565.08			P-524	591.55	4.29	587.26		34.92	566.63	
DW-7	596.39	25.0	24.62	571.77	31	156.082		P-508	591.37	D	#VALUE!	D	#VALUE!	D	#VALUE!
P-517	596.55	12.36	584.19	29.7	566.88			DW-16	594.81	36.0	37.81	567.00	27		47.935
DW-8	596.21	24.5	23.71	572.50	31	156.250									
P-518	596.17	11.59	584.58	30.5	565.66										
DW-9	596.16	24.5	11.38	584.78	0	33.162									
P-519	596.56		11.96	584.60	31.3	565.31									

Remarks DW-1, DW-2 and DW-8 were adjusted down due to high initial water levels.

DW-4, DW-5, DW-6, DW-7, DW-12 and DW-14 were adjusted up due to low initial water levels.

DW-9 discharge valve will not lower the water level although the valve will move in both directions.

DW-11 discharge valve is stuck and will not move in either direction.

DW-15 and DW-16 discharge valves were closed (right) and would not raise water level to desired level.

Key:

TOC=Top of Casing, north side

DTW=Depth to Water

DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager

7121 Grape Road

Granger, IN 46530

(574) 271-3447 Tel.
(574) 271-3343 Fax.
estefanek@wcgrp.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by: P. Kostro
Weaver Consultants Group, LLC

Date	2/21/2019	Time:	9:15 AM	Barometric Pressure:	30.11	(in Hg)	Temperature (F):	32
Staff Gauge (002) Elevation:	560.80	(Ft. MSL)		Weather Conditions:	Sunny		Wind Direction:	W @ 12 MPH

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB (feet)	Piezometer Bottom Elevation	Flow Reading (100 gal)	Well/Piezometer No.	TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezometer Water Elev.	Gauge Pres. (PSI)	DTB	Piezometer Bottom Elevation (feet)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.08	573.24	42	48.600			DW-10	596.47	24.0	23.55	572.92	46			218.058
P-511	592.29	F	#VALUE!	X	#VALUE!				P-520	595.93	11.52	584.41		30.33	565.60		
DW-2	595.91	24.0	23.52	572.39	39		7,418		DW-11	595.82	25.7	27.28	568.54	26			331.979
P-512	593.16	X	#VALUE!		25.0	568.21			P-521	596.19	11.82	584.37		33.45	562.74		
DW-3	596.13	22.0	21.32	574.81	41		630.083		DW-12	595.28	26.5	26.48	568.80	34			112.861
P-513	592.81	7.98	584.83		21.2	571.65			P-522	595.17	9.94	585.23		32.9	562.24		
DW-4	596.28	23.0	22.68	573.60	45		122.462		DW-13	594.83	27.0	26.82	568.01	22			51,807
P-514	592.80	8.34	584.46		25.1	567.75			P-523	592.04	D	#VALUE!		D	#VALUE!		
DW-5	596.16	21.0	19.54	576.62	38		19.663		DW-14	594.83	26.5	26.18	568.65	45			186.196
P-515	592.65	8.53	584.12		22.2	570.46			P-507	591.38	D	#VALUE!		D	#VALUE!		
DW-6	596.46	24.0	23.02	573.44	74		26.103		DW-15	594.62	29.5	29.23	565.39	25			119.923
P-516	596.30	12.35	583.95		31.2	565.08			P-524	591.55	4.46	587.09		34.92	556.63		
DW-7	596.39	25.0	24.98	571.41	35		159.367		P-508	591.37	D	#VALUE!		D	#VALUE!		
P-517	596.55	12.45	584.10		29.7	566.88			DW-16	594.81	36.0	35.01	559.80	34			48.319
DW-8	596.21	24.5	23.51	572.70	31		154.109										
P-518	596.17	11.63	584.54		30.5	565.66											
DW-9	596.16	24.5	11.53	584.63	0		33.162										
P-519	596.56	11.96	584.60		31.3	565.31											

Remarks	DW-1 and DW-5 were adjusted down due to high initial water levels.
	DW-2, DW-3, DW-4, DW-6 and DW-14 were adjusted up due to low initial water levels.
	DW-9 discharge valve will not lower the water level although the valve will move in both directions. The well was offline upon arrival and could not be restarted. The pressure gauge read "0" and the pipe was leaking.
	DW-11 discharge valve is stuck and will not move in either direction.
Key:	TOC=Top of Casing, north side DTW=Depth to Water DTB=Depth to Bottom

(574) 271-3447 Tel.
(574) 271-3343 Fax.
estefanek@wcqd.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by:

J. Slough
Weaver Consultants Group, LLC

Date	2/28/2019	Time:	9:30 AM	Barometric Pressure: 30.28 (in Hg)				Temperature (F): 22			
Staff Gauge (002) Elevation:	581.40 (Ft. MSL)	Weather Conditions: Cloudy with snow flurries				Wind Direction: N @ 3 MPH					

Well No.	Well/Piezoelectric TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Elev. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Flow Reading (100 gal)	Well/Piezoelectric TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Pres. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.36	572.96	45		49.682		DW-10	596.47	24.0	23.11	573.36	54		221.991
P-511	592.29	F	#VALUE!	X	#VALUE!				P-520	595.93	11.58	584.35		30.33	565.60	
DW-2	595.91	24.0	23.78	572.13	40		7.929		DW-11	595.82	25.7	25.50	570.32	30		336.679
P-512	593.16	X	#VALUE!	25.0	568.21				P-521	596.19	11.95	584.24		33.45	562.74	
DW-3	596.13	22.0	21.25	574.88	40		633.328		DW-12	595.28	26.5	25.51	569.77	37		116.210
P-513	592.81	8.11	584.70	21.2	571.65				P-522	595.17	9.57	585.60		32.9	562.24	
DW-4	596.28	23.0	22.98	573.30	56		124.232		DW-13	594.83	27.0	26.92	567.91	30		52.557
P-514	592.80	8.18	584.62	25.1	567.75				P-523	592.04	D	#VALUE!	D	#VALUE!		
DW-5	596.16	21.0	19.62	576.54	41		21.433		DW-14	594.83	26.5	25.62	569.21	45		187.455
P-515	592.65	8.47	584.18	22.2	570.46				P-507	591.38	D	#VALUE!	D	#VALUE!		
DW-6	596.46	24.0	23.51	572.95	67		28.380		DW-15	594.62	29.5	29.40	565.22	29		121.100
P-516	596.30	12.26	584.04	31.2	565.08				P-524	591.55	4.58	586.97		34.92	556.63	
DW-7	596.39	25.0	24.25	572.14	37				P-508	591.37	D	#VALUE!	D	#VALUE!		
P-517	596.55	12.37	584.18	29.7	566.88				DW-16	594.81	36.0	35.88	558.93	35		48.736
DW-8	596.21	24.5	23.98	572.23	31											
P-518	596.17	11.57	584.60	30.5	565.66											
DW-9	596.16	24.5	11.53	584.63	0											
P-519	596.56		11.96	584.60	31.3											

Remarks DW-2, DW-4, DW-5, DW-6, DW-8, DW-10, DW-14 and DW-16 were adjusted down due to high initial water levels.
DW-1, DW-11, and DW-15 were adjusted up due to low initial water levels.
DW-9 was offline upon arrival and could not be restarted.

Key:
TOC=Top of Casing, north side
DTW=Depth to Water
DTB=Depth to Bottom

(574) 271-3447 Tel.
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estefanek@wcgrp.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

J. Slough
Weaver Consultants Group, LLC

Date	3/7/2019	Time:	10:00 AM	
Staff Gauge (002) Elevation:	581.30	(Ft. MSL)		

Barometric Pressure: 30.39 (in Hg)Weather Conditions: Mostly CloudyTemperature (F): 26Wind Direction: NNE @ 4 MPH

Well Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Flow Reading (100 gal)	Well/Piezoelectric No.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezoelectric Water Elev. (PSI)	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezoelectric Bottom Elevation (100 gal)	Flow Reading (100 gal)
DW-1	596.32	24.0	23.11	573.21	46	50.262			DW-10	596.47	24.0	23.52	572.95	45		226.172
P-511	592.29	F	#VALUE!	X	#VALUE!				P-520	595.93	11.78	584.15		30.33	565.60	
DW-2	595.91	24.0	23.09	572.82	40		8,373		DW-11	595.82	25.7	25.50	570.32	25		341.254
P-512	593.16	X	#VALUE!	25.0	568.21				P-521	596.19	12.14	584.05		33.45	562.74	
DW-3	596.13	22.0	10.11	586.02	48		635.085		DW-12	595.28	26.5	26.45	568.83	35		119.738
P-513	592.81		7.39	585.42	21.2	571.65			P-522	595.17	10.16	585.01		32.9	562.24	
DW-4	596.28	23.0	22.59	573.69	45		125.990		DW-13	594.83	27.0	26.90	567.93	30		53.265
P-514	592.80		8.05	584.75	25.1	567.75			P-523	592.04	D	#VALUE!	D	#VALUE!		
DW-5	596.16	21.0	20.05	576.11	40		23.294		DW-14	594.83	26.5	26.42	568.41	44		188.909
P-515	592.65		8.56	584.09	22.2	570.46			P-507	591.38	D	#VALUE!	D	#VALUE!		
DW-6	596.46	24.0	23.98	572.48	72		30.759		DW-15	594.62	29.5	30.72	563.90	25		122.313
P-516	596.30		12.64	583.66	31.2	565.08			P-524	591.55	4.75	566.80		34.92	566.63	
DW-7	596.39	25.0	24.99	571.40	35		166.145		P-508	591.37	D	#VALUE!	D	#VALUE!		
P-517	596.55		12.81	583.74	29.7	566.88			DW-16	594.81	36.0	35.98	568.83	32		49.333
DW-8	596.21	24.5	24.35	571.86	32		162.256									
P-518	596.17		11.98	584.19	30.5	565.66										
DW-9	596.16	24.5	11.84	584.32	0		0									
P-519	596.56		11.96	584.60	31.3	565.31										

Remarks DW-1 and DW-2 were adjusted down due to high initial water levels.

DW-6, DW-7, DW-8, DW-10, DW-11, DW-12, DW-14, and DW-16 were adjusted up due to low initial water levels.

DW-9 was offline upon arrival and could not be restarted. A new flow gauge has been installed, repairs are ongoing.

DW-3 was offline upon arrival and could not be restarted.

Attempted to adjust DW-15 due to low initial water levels. However, discharge valve adjustments (right) resulted in no changes.

TOC=Top of Casing, north side
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7121 Grape Road
Granger, IN 46530(574) 271-3447 Tel.
(574) 271-3343 Fax.
estefanek@wcqip.com



STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by:

J. Slough
Weaver Consultants Group, LLC

Date	3/14/2019	Time:	9:00 AM	Barometric Pressure: 29.51 (in Hg)				Temperature (F): 59			
Staff Gauge (002) Elevation:	581.10 (Ft. MSL)	Weather Conditions: Cloudy with scattered showers.				Wind Direction: SSE @ 15 MPH					
Well Piezo TOC No.	Well/Piezo (feet)	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev. (PSI)	Gauge Pres. (PSI)	DTB (feet)	Piezometer Bottom Elevation (100 gal)	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezometer Water Elev. (PSI)	Gauge Pres. (PSI)
DW-1 596.32	24.0	23.01	573.31	49		50.866		DW-10 596.47	24.0	23.06	573.41
P-511 592.29	F	#VALUE!	X	#VALUE!			P-520 595.93		47		230.172
DW-2 595.91	24.0	23.29	572.62	37		9.020	DW-11 595.82	25.7	24.79	571.03	31
P-512 593.16	X	#VALUE!		25.0	568.21		P-521 596.19		11.63	584.56	33.45
DW-3 596.13	22.0	21.28	574.85	42		635.085	DW-12 595.28	26.5	25.78	569.50	37
P-513 592.81	X	#VALUE!		21.2	571.65		P-522 595.17		9.79	585.38	32.9
DW-4 596.28	23.0	22.19	574.09	45		127.471	DW-13 594.83	27.0	26.89	567.94	32
P-514 592.80	7.66	585.14		25.1	567.75		P-523 592.04		D	#VALUE!	53.896
DW-5 596.16	21.0	19.94	576.22	39		25.033	DW-14 594.83	26.5	25.55	569.28	46
P-515 592.65	8.66	583.99		22.2	570.46		P-507 591.38		D	#VALUE!	189.943
DW-6 596.46	24.0	23.05	573.41	72		33.008	DW-15 594.62	29.5	28.95	565.67	26
P-516 596.30	12.09	584.21		31.2	565.08		P-524 591.55		4.45	587.10	123.513
DW-7 596.38	25.0	24.09	572.30	35		169.385	P-508 591.37		D	#VALUE!	34.92
P-517 596.55	12.31	584.24		29.7	566.88		DW-16 594.81	36.0	35.72	559.09	32
DW-8 596.21	24.5	23.59	572.62	34		165.596					50.045
P-518 596.17	11.57	584.60		30.5	565.66						
DW-9 596.16	24.5	11.26	584.90	0		0					
P-519 596.56		11.96	584.60	31.3	565.31						

Remarks DW-2 and DW-16 were adjusted up due to low initial water levels.

DW-1, DW-3, DW-4, DW-5, DW-6, DW-7, DW-10, DW-11, DW-12 and DW-14 were adjusted down due to high initial water levels.

DW-9 was offline and dismantled upon arrival. Repairs are ongoing.

DW-3 appeared to be operational however the flow meter was not registering water flow.

Key:

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Granger, IN 46530(574) 271-3447 Tel.
(574) 271-3343 Fax.
estefanek@wcgrp.com

Weaver Consultants Group

STATUS REPORT

Mittal Steel USA

Burns Harbor

East Harbor Arm - Dewatering Report

Weekly Status Report

Observations by:

J. Slough
Weaver Consultants Group, LLC

Date	3/21/2019	Time:	10:30 AM
Staff Gauge (002) Elevation:	581.50	(Ft. MSL)	

Well Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Wafer Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)	Well/Piezometer		Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezometer	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)		
									Weather Conditions:	Cloudy									
DW-1	596.32	24.0	23.99	572.33	47			51.870			DW-10	596.47	24.0	23.01	573.46	48			
P-511	592.29		F	#VALUE!	X	#VALUE!				P-520	595.93	11.69	584.24			30.33	565.60		
DW-2	595.91	24.0	23.97	571.94	38			9.631			DW-11	595.82	25.7	24.79	571.03	31		348.684	
P-512	593.16		X	#VALUE!		25.0	568.21			P-521	596.19	11.95	584.24			33.45	562.74		
DW-3	596.13	22.0	21.06	575.07	38			637.022			DW-12	595.28	26.5	26.15	569.13	36		126.385	
P-513	592.81		X	#VALUE!		21.2	571.65			P-522	595.17	10.04	585.13			32.9	562.24		
DW-4	596.28	23.0	22.73	573.55	45			129.161			DW-13	594.83	27.0	26.34	568.49	36		54.497	
P-514	592.80		8.34	584.46		25.1	567.75			P-523	592.04	D	#VALUE!	D	#VALUE!				
DW-5	596.16	21.0	20.04	576.12	40			27.067			DW-14	594.83	26.5	25.74	569.09	45		191.287	
P-515	592.65		8.85	583.80		22.2	570.46			P-507	591.38	D	#VALUE!	D	#VALUE!				
DW-6	596.46	24.0	23.22	573.24	72			35.380			DW-15	594.62	29.5	29.45	565.17	30		124.664	
P-516	596.30		12.53	583.77		31.2	565.08			P-524	591.55	4.63	586.92			34.92	556.63		
DW-7	596.39	25.0	24.03	572.36	36			172.691			P-508	591.37	D	#VALUE!	D	#VALUE!			
P-517	596.55		12.78	583.77		29.7	566.88			DW-16	594.81	36.0	35.44	559.37	34		50.678		
DW-8	596.21	24.5	23.56	572.65	32			168.735											
P-518	596.17		12.23	583.94		30.5	565.66												
DW-9	596.16	24.5	16.28	579.88	41				1,109										
P-519	596.56		11.96	584.60		31.3	565.31												

Remarks DW-1 adjusted up due to low initial water levels.

DW-4, DW-5, DW-6, DW-7, DW-9, DW-10, DW-11, and DW-12 were adjusted down due to high initial water levels.

DW-9 is operational however discharge valve adjustments are insufficient.

Turned DW-9 discharge valve all the way open and all the way closed. The water level measurements varied from 14.7-16.2' and would not adjust further.

Key:
TOC=Top of Casing, north side
DTW=Depth to Water
DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
7121 Grape Road
Granger, IN 46530

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STATUS REPORT

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East Harbor Arm - Dewatering Report

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Observations by:

J. Slough
Weaver Consultants Group, LLC

Date	3/28/2019
Staff Gauge (002) Elevation:	581.40 (Ft. MSL)

Date	3/28/2019	Time:	8:50 AM	Barometric Pressure:	30.05 (in Hg)	Temperature (F):	49
Staff Gauge (002) Elevation:	581.40 (Ft. MSL)	Weather Conditions:	Mostly cloudy	Wind Direction:	SSW @ 11 mph	Wind Speed:	0 mph

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) Water Elev. (feet)	Well/Piezo Piezo Bottom Elevation (100 gal)	Flow Reading (100 gal)	Well/ Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) Water Elev. (feet)	Well/Piezo Pres. (PSI)	Gauge Pres. (PSI)	DTB Piezo Bottom Elevation (feet)	Piez Bottom Elevation (feet)	Flow Reading (100 gal)	
DW-1	596.32	24.0	23.63	572.69	46	52.874		DW-10	596.47	24.0	22.78	573.69	50	237,985
P-511	592.29	F	#VALUE!	X	#VALUE!		P-520	595.93	11.81	584.12	30.33	565.60		
DW-2	595.91	24.0	23.22	572.69	38	10.255	DW-11	595.82	25.7	24.73	571.09	30	352,589	
P-512	593.16	X	#VALUE!		25.0	568.21	P-521	596.19	12.05	584.14	33.45	562.74		
DW-3	596.13	22.0	21.26	574.87	37	638.910	DW-12	595.28	26.5	25.52	569.76	36	130,010	
P-513	592.81	X	#VALUE!		21.2	571.65	P-522	595.17	10.13	585.04	32.9	562.24		
DW-4	596.28	23.0	22.89	573.39	45	130.991	DW-13	594.83	27.0	26.89	567.94	33	55,082	
P-514	592.80	8.64	584.16	25.1	567.75		P-523	592.04	D	#VALUE!	D	#VALUE!		
DW-5	596.16	21.0	19.57	576.59	39	29.008	DW-14	594.83	26.5	25.57	569.26	45	192,607	
P-515	592.65	8.92	583.73	22.2	570.46		P-507	591.38	D	#VALUE!	D	#VALUE!		
DW-6	596.46	24.0	23.21	573.25	71	37.751	DW-15	594.62	29.5	29.92	564.70	29	125,783	
P-516	596.30	12.78	583.52	31.2	565.08		P-524	591.55	4.68	586.87	34.92	556.63		
DW-7	596.39	25.0	24.05	572.34	35	175.996	P-508	591.37	D	#VALUE!	D	#VALUE!		
P-517	596.55	12.99	583.56	29.7	566.88		DW-16	594.81	36.0	35.86	558.95	33	51,327	
DW-8	596.21	24.5	23.56	572.65	32	171.863								
P-518	596.17	12.43	583.74	30.5	565.66									
DW-9	596.16	24.5	16.38	579.78	40	2,471								
P-519	596.56		11.96	584.60	31.3	565.31								

Remarks DW-1, DW-2, DW-15, and DW-16 adjusted up due to low initial water levels.

DW-5, DW-8, DW-9, DW-10, and DW-12 were adjusted down due to high initial water levels.

DW-9 is operational however discharge valve adjustments are insufficient. DW-9 discharge valve all the way left (open).

DW-10 is operational however discharge valve adjustments are insufficient. DW-10 discharge valve all the way left (open). Stuck?

DW-15 is operational however when adjusted right, water levels went lower.

TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel. DTW=Depth to Water (574) 271-3343 Fax. DTB=Depth to Bottom estefanek@wicgrp.com